

## CONVERSION CHART

To Convert Into Metric			To Convert Into English		
If You Know	Multiply By	To Get	If You Know	Multiply By	To Get
<b>Length</b>					
inch	2.54	centimeter	centimeter	0.3937	inch
feet	30.48	centimeter	centimeter	0.0328	feet
feet	0.3048	meter	meter	3.281	feet
yard	0.9144	meter	meter	1.0936	yard
mile	1.60934	kilometer	kilometer	0.62414	mile
<b>Area</b>					
square inch	6.4516	square centimeter	square centimeter	0.155	square inch
square feet	0.092903	square meter	square meter	10.7639	square feet
square yard	0.8361	square meter	square meter	1.196	square yard
acre	0.40469	hectare	hectare	2.471	acre
square mile	2.58999	square kilometer	square kilometer	0.3861	square mile
<b>Volume</b>					
fluid ounce	29.574	milliliter	milliliter	0.0338	fluid ounce
gallon	3.7854	liter	liter	0.26417	gallon
cubic feet	0.028317	cubic meter	cubic meter	35.315	cubic feet
cubic yard	0.76455	cubic meter	cubic meter	1.308	cubic yard
<b>Weight</b>					
ounce	28.3495	gram	gram	0.03527	ounce
pound	0.45360	kilogram	kilogram	2.2046	pound
short ton	0.90718	metric ton	metric ton	1.1023	short ton
<b>Force</b>					
dyne	0.00001	newton	newton	100,000	dyne
<b>Temperature</b>					
Fahrenheit	Subtract 32 then multiply by 5/9ths	Celsius	Celsius	Multiply by 9/5ths, then add 32	Fahrenheit

**METRIC PREFIXES**

<b>Prefix</b>	<b>Symbol</b>	<b>Multiplication Factor</b>
exa-	E	1 000 000 000 000 000 000 = $10^{18}$
peta-	P	1 000 000 000 000 000 000 = $10^{15}$
tera-	T	1 000 000 000 000 = $10^{12}$
giga-	G	1 000 000 000 = $10^9$
mega-	M	1 000 000 = $10^6$
kilo-	k	1 000 = $10^3$
hecto-	h	100 = $10^2$
deka-	da	10 = $10^1$
deci-	d	0.1 = $10^{-1}$
centi-	c	0.01 = $10^{-2}$
milli-	m	0.001 = $10^{-3}$
micro-	$\mu$	0.000 001 = $10^{-6}$
nano-	n	0.000 000 001 = $10^{-9}$
pico-	p	0.000 000 000 001 = $10^{-12}$
femto-	f	0.000 000 000 000 001 = $10^{-15}$
atto-	a	0.000 000 000 000 000 001 = $10^{-18}$